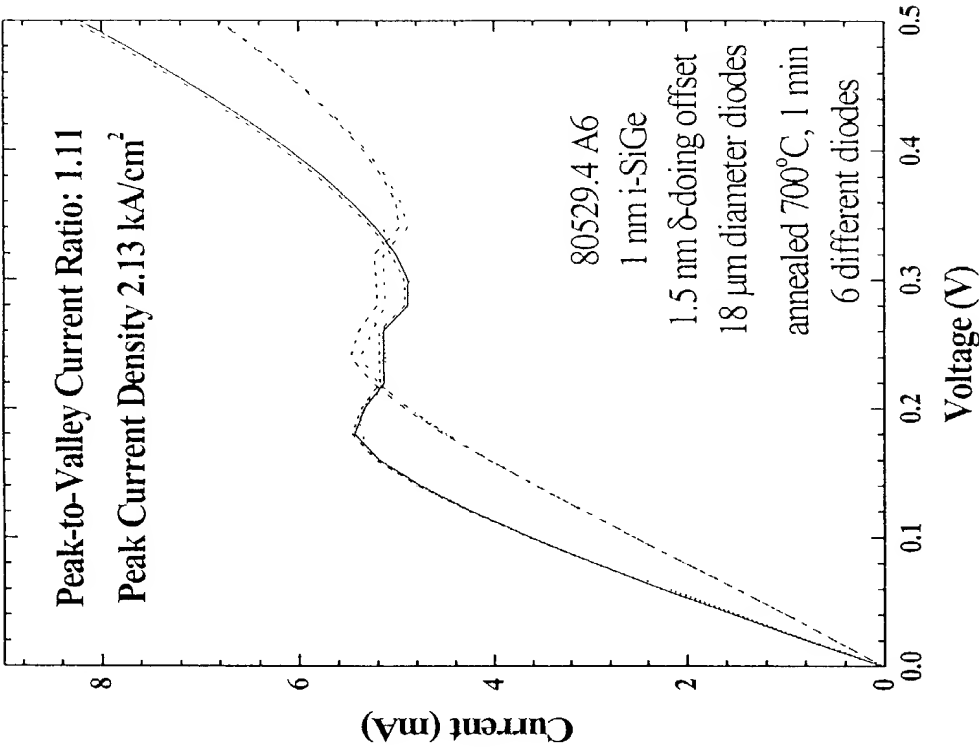


100 nm n+ Si
Sb δ -doping plane
1.5 nm undoped Si
1 nm undoped Si _{0.5} Ge _{0.5}
1.5 nm undoped Si
B δ -doping plane
100 nm p+Si
p+ Si substrate

TD4

(a)



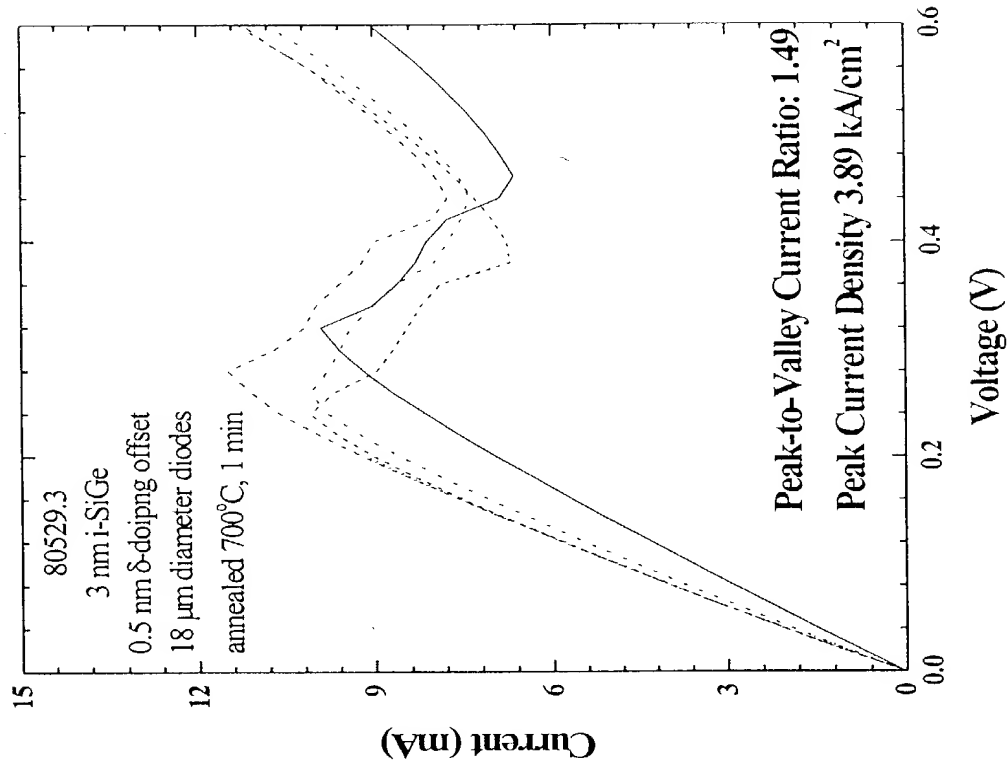
(b)

Figure 10

100 nm n+ Si
Sb δ -doping plane
0.5 nm undoped Si
3 nm undoped Si _{0.5} Ge _{0.5}
0.5 nm undoped Si
B δ -doping plane
100 nm p+Si
p+ Si substrate

TD5

(a)



(b)

Figure 11

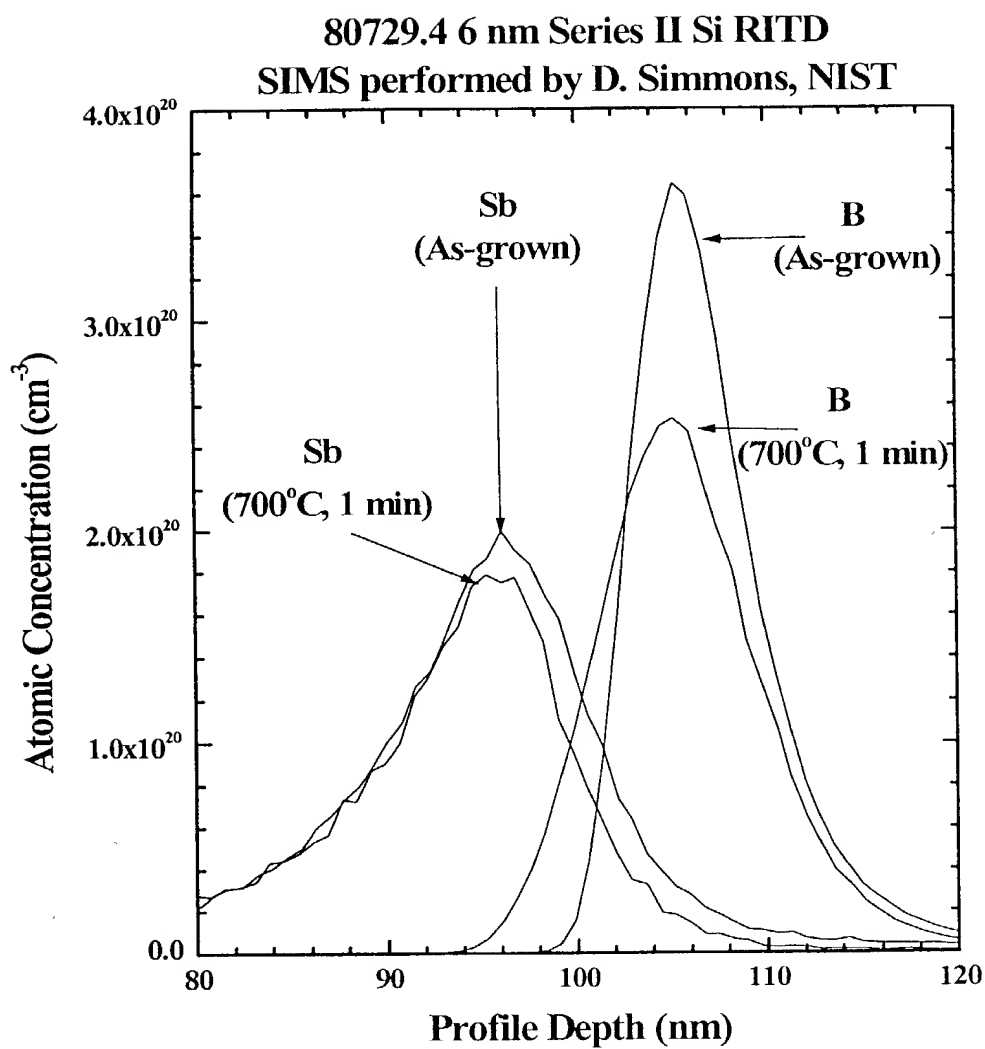
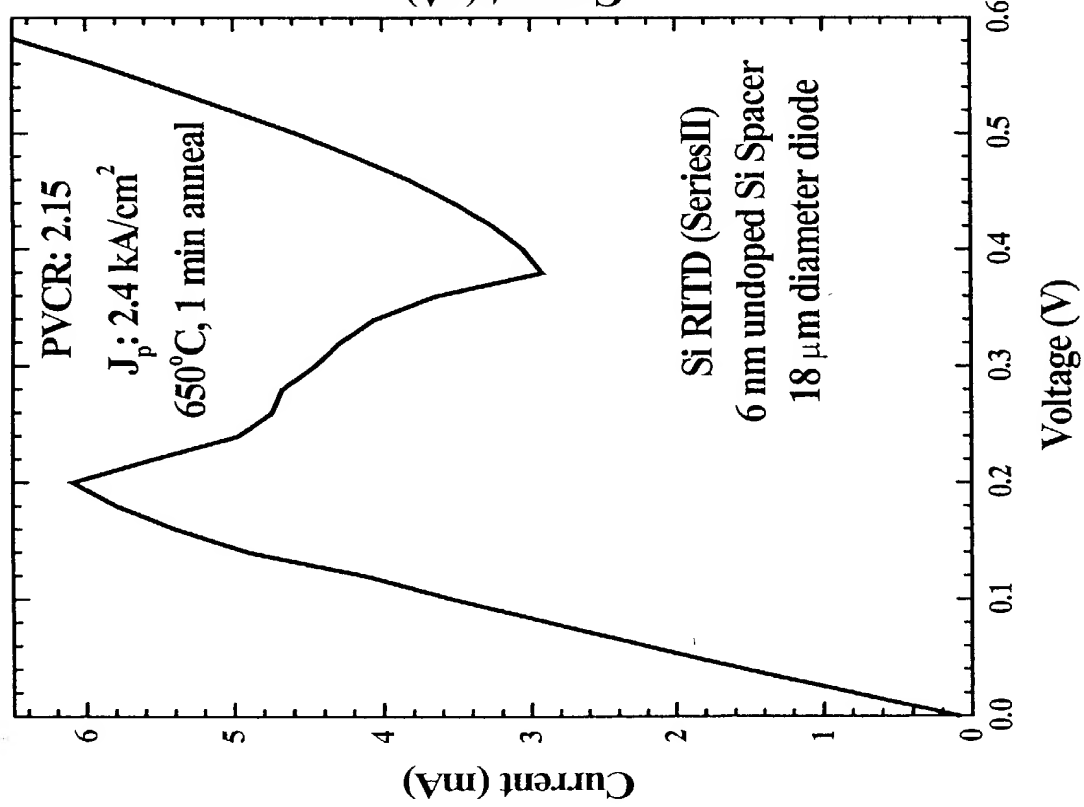
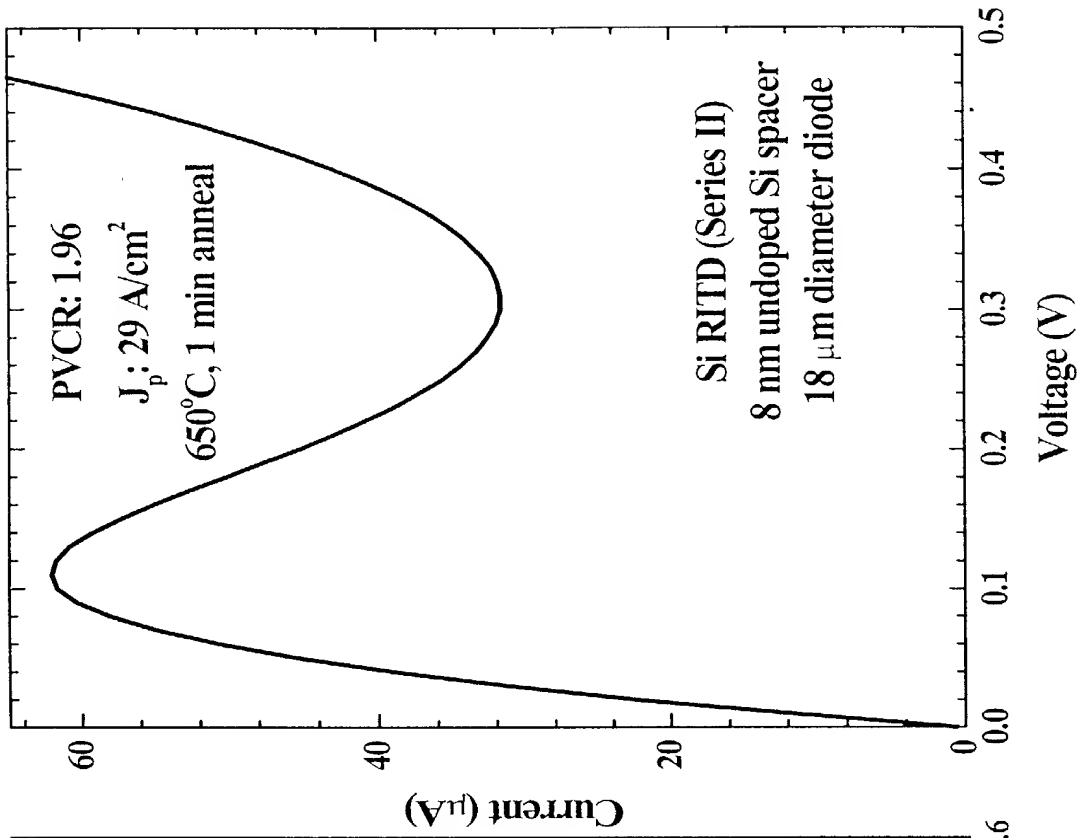


Figure 15



(a)



(b)

Figure 16

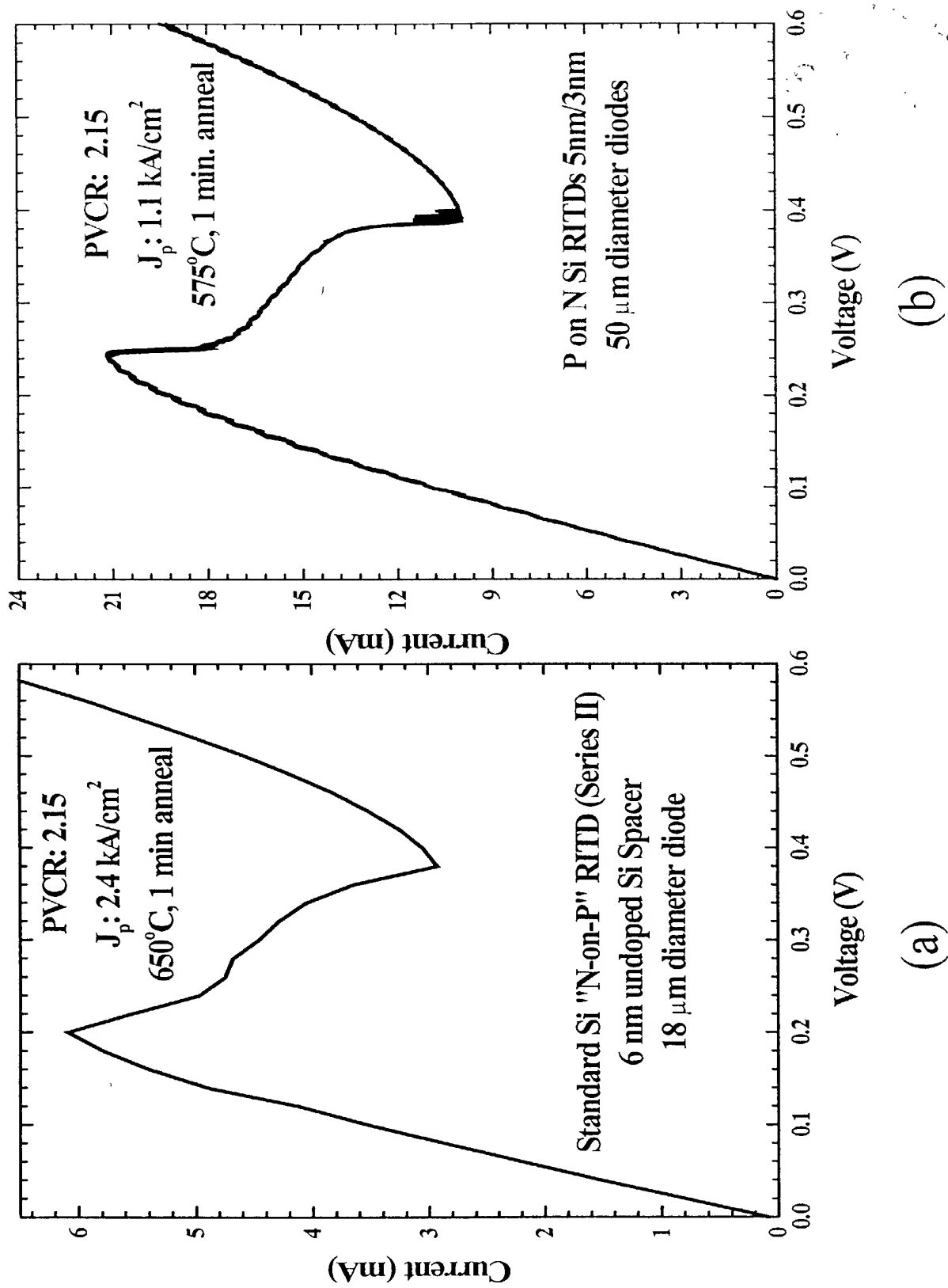


Figure 20